

OCTOBER 2022

TRAINING BULLETIN

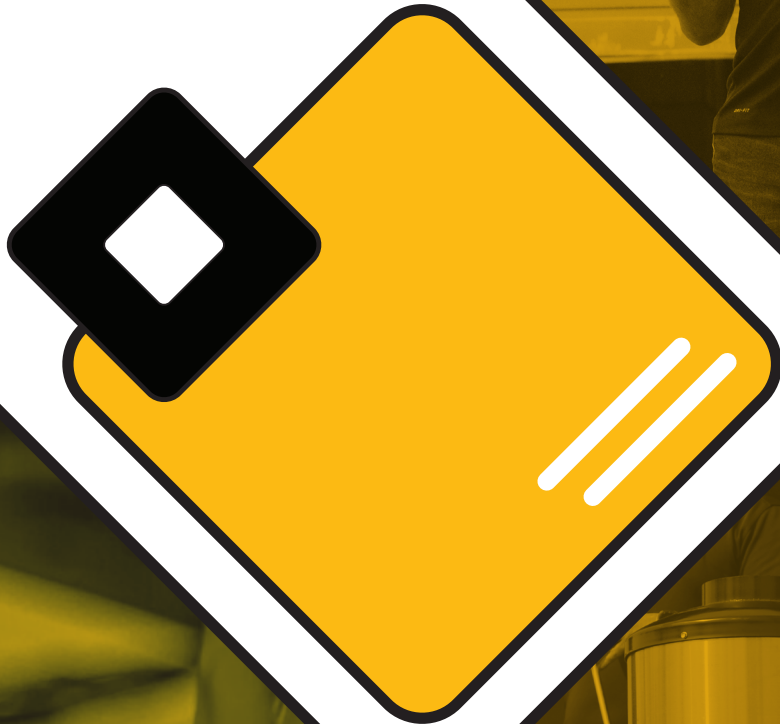
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TOPIC

SETTING MAX PRESSURE ON MULTI-FIT
UNLOADERS

MODEL REFERENCE

AL607
VRT3 (85.300.037)
85.400.118
85.300.038



SHORT DESCRIPTION:

THIS TRAINING BULLETIN WILL SHOW THE PROCESS TO SET THE MAXIMUM PRESSURE SETTING ON ALL MULTI-FIT STYLE UNLOADER VALVES TO PREVENT OPERATORS FROM OVER ADJUSTING THE UNLOADER AND POTENTIALLY CAUSING TOO MUCH PRESSURE TO DEVELOP IN PUMP HEAD (MANIFOLD), OR OVER-EXTEND THE LOAD ON THE MOTOR OR ENGINE.

PLEASE NOTE: A PRESSURE TEST GAUGE (SPIKE GAUGE) WILL BE REQUIRED TO MEASURE PRESSURE OUTPUT OF PUMP

1. Prior to connecting water, hoses, and turning on motor or engine remove the cover cap with a flat screwdriver.



2. Remove the retaining lock nut with a socket.



3. Remove the adjustment knob by turning counter clockwise until it comes off.



4. Remove the adjustment knob and set aside



5. Remove spring and washer to expose the two jam nuts on the threaded stem



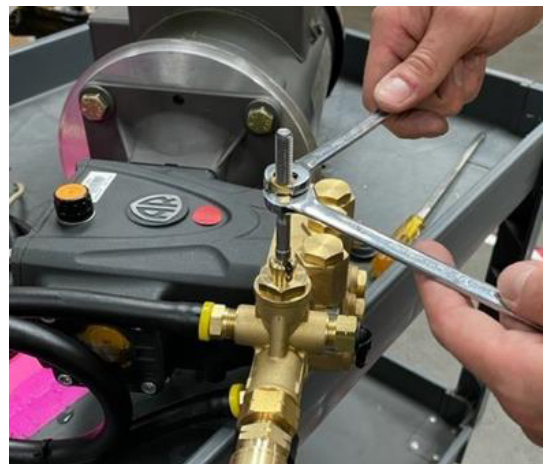
6. Use two wrenches to unlock jam nuts.



7. Adjust both nuts to approximately half way on threaded unloader stem to set maximum unloader pressure setting



8. Use two wrenches to tighten the jam nuts to each other - Use caution to not over tighten or you will strip the threads of the nuts.



9. Reinstall the spring, washer and knob and turn pressure washer on. Turn knob clockwise until the knob reaches the jam nut setting. If the correct maximum pressure is not achieved, repeat this process of adjusting the jam nuts on the threaded stem until the correct maximum pressure is set for the pressure washer system. Then install the locking nut and cap on the adjustment knob.



IT MAY TAKE SEVERAL TIMES OF REMOVING, ADJUSTING THE JAM NUTS, AND REINSTALLING THE KNOB BEFORE ACHIEVING THE CORRECT MAXIMUM PRESSURE SETTING FOR THE PRESSURE WASHER SYSTEM.

TYPICALLY, IF YOU SET THE JAM NUTS 3-1/2 TO 4 TURNS COUNTER CLOCKWISE FROM THE BOTTOM OF THE THREADED UNLOADER STEM THE UNLOADER WILL BE SET AT 4000 PSI ON A 4 GPM PRESSURE WASHER

Please ensure you are using a pressure test gauge (spike gauge) in line with the high-pressure hose to monitor pressure output from the pump while performing these adjustments

